# Bruhath Bangalore Mahanagara Palike Dasarahalli Zone

**Name of Work:Construction of RCC drains in vijay lakshmi layout,in ward no-13,SSD**

*Est .Cost Rs.50.00 Lakhs*

| Sl No | Description of Items | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| 1 | KSRRB 300-3. Earthwork excavation by manual means in ordinary soil invoiving in average horizontal throw up to 2m & an average lift upto 1.5m , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification MORTH/ Chapter 3. Page No. 141/ Item No. 19.1/ PWD SR 2015-16 | | | | | | | | |
| | 1st main road | Cum | 2 | 145.00 | 0.90 | 0.75 | 195.75 | | |
| | 1st A cross | | 2 | 40.00 | 0.90 | 0.75 | 54.00 | | |
| | 1st cross | | 2 | 110.00 | 0.90 | 0.75 | 148.50 | | |
| | Sub Cross Road-01 | | 2 | 32.00 | 0.90 | 0.75 | 43.20 | | |
| | Sub Cross Road-02 | | 2 | 42.00 | 0.90 | 0.70 | 52.92 | | |
| | For Culverts | | 2 | 4.75 | 2.00 | 1.35 | 25.65 | | |
| | | | | | | | **520.02** | 83.16 | **43245.00** |
| | Basic Rate | 77.00 | | | | | | | |
| | Area Weightage @ 8% | 6.16 | | | | | | | |
| | | **83.16** | | | | | | | |
| 2 | KSRB 4-1.2: Providing and laying in position plain cement concrete of nominal mix M 10 with OPC cement @ 220kgs, with 40mm and down size graded granite metal machine mixed, concrete laid in layers not exceeding 15cms thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS : 4.1, 4.2 Page No. 12/ Item No. 4.2/ PWD SR 2015-16 | | | | | | | | |
| | 1st main road | Cum | 2 | 145.00 | 0.90 | 0.15 | 39.15 | | |
| | 1st A cross | | 2 | 40.00 | 0.90 | 0.15 | 10.80 | | |
| | 1st cross | | 2 | 110.00 | 0.90 | 0.15 | 29.70 | | |
| | Sub Cross Roads | | 2 | 32.00 | 0.90 | 0.15 | 8.64 | | |
| | | | 2 | 42.00 | 0.90 | 0.15 | 11.34 | | |
| | For Culverts | | 2 | 4.80 | 2.00 | 0.15 | 2.88 | | |
| | | | | | | | **102.51** | 5139.94 | **526895.00** |
| | Basic Rate | 4849.00 | | | | | | | |
| | Area Weightage @ 6% | 290.94 | | | | | | | |
| | Total | **5139.94** | | | | | | | |
| 3 | KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with with 20mm and down size graded granite metal, coarse aggregate @ 0.69 cum and fine aggregates @ .460cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafairmed -2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings,pedastals,retaining walls, staircase, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.5 ,P.13/I.4.11/ PWD SR 2015-16 | | | | | | | | |
| | 1st main road | Cum | 2x2 | 145.00 | 0.15 | 0.70 | 60.90 | | |
| | | | 2 | 145.00 | 0.80 | 0.15 | 34.80 | | |
| | 1st A cross | | 2x2 | 40.00 | 0.15 | 0.70 | 16.80 | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | 2 | 40.00 | 0.80 | 0.15 | 9.60 | | |
| | 1st cross | | 2x2 | 110.00 | 0.15 | 0.70 | 46.20 | | |
| | | | 2 | 110.00 | 0.80 | 0.15 | 26.40 | | |
| | Sub Cross Roads | | 2x2 | 32.00 | 0.15 | 0.70 | 13.44 | | |
| | | | 2 | 32.00 | 0.80 | 0.15 | 7.68 | | |
| | | | 2x2 | 42.00 | 0.15 | 0.75 | 18.90 | | |
| | | | 2 | 42.00 | 0.80 | 0.15 | 10.08 | | |
| | For Culverts | | 4 | 5.00 | 0.25 | 0.70 | 3.50 | | |
| | | | 2 | 5.00 | 1.50 | 0.25 | 3.75 | | |
| | | | | | | | **252.05** | 6083.34 | **1533306.00** |
| | Basic Rate | 5739.00 | | | | | | | |
| | Area Weightage @ 6% | 344.34 | | | | | | | |
| | Total | **6083.34** | | | | | | | |
| 4 | KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3, TMT bars Fe 500. Page No. 17/ Item No. 4.46.2/ PWD SR 2015-16 | | | | | | | | |
| | | Qtls | | 252.05 | x | 63kgs | 158.79 | | |
| | | | | | | | **158.79** | 6851.31 | **1087930.00** |
| | Basic Rate | 6463.50 | | | | | | | |
| | Area Weightage @ 6% | 387.81 | | | | | | | |
| | **Total** | **6851.31** | | | | | | | |
| 5 | KSRB 4-6.9: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walss at any thickness,including attached pilasters,buttresses, plinth and string courses cost of all materials, labour complete as per specification. Specification No. KSRB 4.6.9. exceeding 1m in depth. Page No. 15/ Item No. 4.31/ PWD SR 2015-16 | | | | | | | | |
| | | Cum | 2x4 | 145.00 | | 0.80 | 928.00 | | |
| | | | 2x4 | 40.00 | | 0.80 | 256.00 | | |
| | | | 2x4 | 110.00 | | 0.80 | 704.00 | | |
| | | | 2x4 | 32.00 | | 0.80 | 204.80 | | |
| | | | 2x4 | 42.00 | | 0.80 | 268.80 | | |
| | | | 2x4 | 5.00 | | 0.80 | 32.00 | | |
| | | | 2 | 5.00 | | 0.80 | 8.00 | | |
| | | | | | | | **2401.60** | 301.04 | **722978.00** |
| | Basic Rate | 284.00 | | | | | | | |
| | Area Weightage @ 6% | 17.04 | | | | | | | |
| | | **301.04** | | | | | | | |
| 6 | Providing & laying reinforeced cement precast slabs of mix CC 1:11/2:3 using 20mm & down size graded Granite metal using HYSD 10mm dia steel @ 100mm c/c both ways & Complete as per specfications. | | | | | | | | |
| | 1st main road | Sqm | 1 | 110.00 | 0.90 | | 99.00 | | |
| | 2nd cross | | 1 | 105.00 | 0.90 | | 94.50 | | |
| | Sub Cross Road-01 | | 2 | 45.00 | 0.90 | | 81.00 | | |
| | Sub Cross Road-02 | | 2 | 44.00 | 0.90 | | 79.20 | | |
| | missed slabs & damaged slabs | | 70 | 0.60 | 0.90 | | 37.80 | | |
| | Approved Rate of Precast slab | 1600 | | | | | **391.50** | 1600 | **626400.00** |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 10 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading Item No. 17.1 KSRRB M 100-1 Rs. 68.00 (P.133 I.18.57/1) 2015-16 | | | | | | | | 10 |
| 7 | | | | | | | | | |
| | Qty Vide Item No=1+2 | Cum | | | | | **520.02** | | |
| | Qty Limited to | | | | | | **520.02** | 81.73 | **42504.00** |
| | (For 3 km = 3 x 1.28 x 2.0) | 7.68 | | | | | | | |
| | Loading and Unloading Charges | 68.00 | | | | | | | |
| | | **75.68** | | | | | | | |
| | Area Weightage @ 8% | 6.05 | | | | | | | |
| | **Total** | **81.73** | | | | | | | |
| | | | | | | | | **Sub Total** | **4582133.00** |
| | | | | | | | | | |
| | **Add: KRDL Charges @ 8%** | | | | | | L.S | | 366571 |
| | | | | | | | | | |
| 8 | Add: Quality Control Charges | | | | | | L.S | | 50000 |
| | | | | | | | L.S | | 45644.00 |
| 9 | Miscellaneous and unforseen | | | | | | | | 1296.00 |
| | | | | | | | | | |
| | | | | | | | | **Total** | **5000000** |
| | **(Rupees Fifty Lakhs Only)** | | | | | | | | |

**CERTIFICATE**

1 The Work spot has been inspected and the work found to be necessary
2 The Estimate is prepared as per the PWD SR 2015-16
3 The Provision made in estimate are adequate and essential
4 This area comes under BBMP

**Asst Engineer**
Ward No-13

**Asst Executive Engineer**
Shettyhalli Sub-Division
BBMP

**Executive Engineer**
Dasarahalli Zone
BBMP

A/S

ನಂ. AC(DH) AS/01/16-17 ದಿನಾಂಕ : 12/05/2016
ರೂ. 50.00 Lakhs (Rupees Fifty Lakhs only)
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.
Page No. 39
Sl. No. 01
ಸಹಾಯಕ ಆಯುಕ್ತರು (ಆಡಳಿತ)
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು
13/5/16

ನಂ. CEID2/TS/14/2016-17 Pg 113 ದಿನಾಂಕ : 16-05-2016
ರೂ. 50,00000/- Rs. Fifty Lakhs only.
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ತಾಂತ್ರಿಕ ಸಹಾಯಕರು ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.